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6 March 2004

Date of Deposit

Kathryn A. Kellay

Signature of Person Mailing Paper

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/764,838
Cnfrm. No.	:	not yet assigned
Applicant(s)	:	Dennis L. Hammond
Filed	:	26 January 2004
Title	:	LUBRICANT SYSTEM FOR USE IN POWDERED METALS
TC/A.U.	:	not yet assigned
Examiner	:	not yet assigned
Docket No.	:	APX-12571.001

Mail Stop Non-Fee Amendment  
Honorable Commissioner for Patents  
Alexandria, VA 22313-1450

### PRELIMINARY AMENDMENT

Sir:

Prior to examination of the above-referenced application, please amend the application as follows:

**Amendments to the Specification** are set forth below, which begins on page 2 of this paper.

## AMENDMENTS TO THE SPECIFICATION

Please amend the table on page 19 of the application as follows. For the convenience of the Examiner a new page 19 (clean) is also included herewith incorporating the revisions.

### Lubricants In Hoeganas A737<sup>t</sup> Lubricants In Hoeganaes A737<sup>l</sup>

TSI <sup>2</sup>	.30% Lubricant A Green Density	.30% Lubricant A Sintered Density	.75% ACRAWAX® C Green Density	.75% ACRAWAX® C Sintered Density
30	6.62	6.56	6.62	6.54
40	6.91	6.85	6.91 <u>6.9</u>	6.79
50	7.11	7.05	7.11 <u>7.05</u>	6.95
60	7.22	7.16	7.22 <u>7.12</u>	7.04
TSI	.30% of Lubricant A Ratio of Sintered/Green Density	.75% ACRAWAX® C Ratio of Sintered/Green Density		
30	.9909	.9879		
40	.9913	<u>.9826</u> <u>.9841</u>		
50	.9915	<u>.9775</u> <u>.9858</u>		
60	.9917	<u>.9751</u> <u>.9888</u>		
TSI	.30% Lubricant A Transfer Rupture Strength	.75% ACRAWAX® C Transfer Rupture Strength		
30	113	112		
40	146	137		
50	172	157		
60	184	161		
TSI	.30% Lubricant A Ratio TRS/Sintered Density	.75% ACRAWAX® C Ratio TRS/Sintered Density		
30	17.23	17.13		
40	21.31	20.18		
50	24.40	22.59		
60	25.70	22.86		

TSI	.30% Lubricant A Sintered Hardness	.75% ACRAWAX® C Sintered Hardness
30	33	34
40	40	40
50	44	43
60	47	44
TSI	.30% Lubricant A Ratio Hardness/Sintered Density	.75% ACRAWAX® C Ratio Hardness/Sintered density
30	5.03	5.20
40	6.15	5.89
50	6.24	6.18
60	6.56	6.25

Respectfully submitted,

RANKIN, HILL, PORTER & CLARK, L.L.P.




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Lubricants In Hoeganaes A737<sup>1</sup>

TSI <sup>2</sup>	.30% Lubricant A Green Density	.30% Lubricant A Sintered Density	.75% ACRAWAX® C Green Density	.75% ACRAWAX® C Sintered Density
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40	.9913		.9841	
50	.9915		.9858	
60	.9917		.9888	
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30	33		34	
40	40		40	
50	44		43	
60	47		44	
TSI	.30% Lubricant A Ratio Hardness/Sintered Density		.75% ACRAWAX® C Ratio Hardness/Sintered density	
30	5.03		5.20	
40	6.15		5.89	
50	6.24		6.18	
60	6.56		6.25	